

What is claimed is:

- [Handwritten notes: "July 14" and "P.M." on the left margin]*
1. A seismic adapter for attachment to a steel web joist including a beam with two angle elements each with a first leg and a second leg, the first legs being parallel with a cord space therebetween and the second legs extending in opposite directions, comprising
    - 5 an anchor plate having a first hole therethrough and extendable across the cord space into juxtaposition with the second legs;
    - an engagement plate including a flat anchor portion having a second hole therethrough and upstanding engagement portions to either side of the flat anchor portion, each upstanding engagement portion having a distal edge with an engagement profile for interlocking engagement with the first legs;
    - a stud extendable from the first hole to and beyond the second hole with the anchor plate and the engagement plate positioned on the beam of the steel web joist.
  2. The seismic adapter of claim 1, the stud being threaded and the anchor plate being a square flat plate with the first hole therethrough being centrally positioned and threaded to engage the threaded stud.
  3. The seismic adapter of claim 1, each upstanding engagement portion being at an obtuse angle to the flat anchor portion.
  4. The seismic adapter of claim 1, the engagement profile of the distal edge forming a tongue extendable to between the first legs of the steel web joist in the cord space and shoulders to either side of the tongue to abut the first legs.

5. The seismic adapter of claim 4, the tongue being tapered inwardly toward the distal extent thereof.

6. A seismic adapter for attachment to a steel web joist including a beam with two angle elements each with a first leg and a second leg, the first legs being parallel with a cord space therebetween and the second legs extending in opposite directions, comprising

5 an anchor plate having a first, threaded hole therethrough and extendable across the cord space into juxtaposition with the second legs;

an engagement plate including a flat anchor portion having a second hole therethrough and upstanding engagement portions to either side of the flat anchor portion, each upstanding engagement portion having a distal edge for interlocking engagement with the first legs and being at an obtuse angle to the flat anchor portion, the distal edge forming a tongue extendable to between the first legs of the steel web joist in the cord space and shoulders to either side of the tongue to abut against the first legs, the tongue being tapered inwardly toward the distal extent thereof;

15 a threaded stud extendable from the first, threaded hole to and beyond the second hole with the anchor plate and the engagement plate positioned on a steel web joist.

7. A seismic adapter for attachment to a steel web joist including a beam with two angle elements each with a first leg and a second leg, the first legs being parallel with a cord space therebetween and the second legs extending in opposite directions, comprising

- 5 ~~Ref~~ a plate means for anchoring across the cord space into juxtaposition with the second legs, an engagement plate including a flat anchor portion having a hole therethrough and engagement means for interlocking engagement with the first legs to either side of the flat anchor portion;
- 10 a stud extendable from the plate means to and beyond the hole with the anchor plate and the engagement plate positioned on the beam of the steel web joist.

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APR 22 1987

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